

Title (en)
SLOT DIE COATER AND MULTI-LANE DOUBLE COATING APPARATUS COMPRISING SAME

Title (de)
SCHLITZDÜSEN BESCHICHTER UND MEHRSPURIGE DOPPELBESCHICHTUNGSVORRICHTUNG DAMIT

Title (fr)
DISPOSITIF DE REVÊTEMENT DE FILIÈRE À FENTE ET APPAREIL DE DOUBLE REVÊTEMENT À VOIES MULTIPLES LE COMPRENANT

Publication
EP 4321262 A1 20240214 (EN)

Application
EP 22911697 A 20221207

Priority
• KR 20210184341 A 20211221
• KR 2022019806 W 20221207

Abstract (en)
A slot die coater includes a lower die block including a first manifold in which an electrode active material slurry is accommodated, an upper die block including a second manifold in which an insulating coating solution is accommodated, and a shim plate located between the lower die block and the upper die block to form a slot communicating with a discharge port, wherein the shim plate includes a first concave portion provided in an upwardly concave shape on a first surface located to cover the first manifold of the lower die block, and a second concave portion provided in a downwardly concave shape on a second surface located to cover the second manifold of the upper die block, wherein the second concave portion is configured to be located one by one on both sides of the first concave portion in a width direction.

IPC 8 full level
B05C 5/02 (2006.01); **B05C 11/10** (2006.01); **H01M 4/04** (2006.01); **H01M 10/42** (2006.01)

CPC (source: EP KR US)
B05C 5/0254 (2013.01 - EP KR US); **B05C 5/027** (2013.01 - KR); **B05C 9/06** (2013.01 - EP); **B05C 11/10** (2013.01 - KR); **B05C 11/1044** (2013.01 - US); **H01M 4/0404** (2013.01 - EP KR US); **H01M 10/4235** (2013.01 - KR); **B05C 5/027** (2013.01 - EP); **Y02E 60/10** (2013.01 - EP)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4321262 A1 20240214; CN 117042889 A 20231110; JP 2024512998 A 20240321; KR 20230094865 A 20230628; US 2024149292 A1 20240509; WO 2023121064 A1 20230629

DOCDB simple family (application)
EP 22911697 A 20221207; CN 202280023792 A 20221207; JP 2023559805 A 20221207; KR 20210184341 A 20211221; KR 2022019806 W 20221207; US 202218280610 A 20221207